

# New York State Department of Transportation

## Yellow Flag NB22CTW017

By: Rehan Afridi

Flag Date: April 14, 2022

Superseding Information:

This flag supersedes: YF NB2122W036

### Structure Information

**BIN: 1065318**

**Feature Carried: 278I278IX2M23027**

**Feature Crossed: 6TH AVENUE**

**Orientation: 8 - NORTHWEST**

**Region: 11 - NEW YORK CITY**

**County: KINGS**

**Political Unit: City of NEW YORK**

**Approximate Year Built: 1962**

**Posted Load Matches Inventory : Yes**

**Bridge Load Posting (Tons) : Not Posted for Load**

**Primary Owner: New York State Department of Transportation**

**Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party**

**Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder**

**This Bridge is not a Ramp**

**Number of Spans: 322**

### Verbal Notification Information

**Person Notified: Heinz Joachim, P.E.**

**Date: April 14, 2022 10:00:00 AM**

**Of: NYSDOT Region 11**

### Signature Information

**Signature: Rehan Afridi, P.E. 075185**

**Date: April 25, 2022**

**Reviewed By: Robert Kemp**

**Date: April 28, 2022**

**Attachments: 6**

**Flagged Elements**

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 235</b>			
	107 - Steel Open Girder/Beam	989	ft
	PR831 - Steel Beam End	42	each

**Flagged Condition Description**

This Yellow Flag No. NB22CTW017 supersedes previously issued Yellow Flag No. NB2122W036.

Location: Span 235, Girder G19 at Pier 235

Description: The right clip connection angle at Girder G19 connection to the pier cap at Pier 235 exhibits a 3" long x 1/2" wide vertical corrosion crack at the upper fillet section and a 3/4"L x 1/8"W corrosion crack at the lower fillet. The left vertical stiffener connection angle has localized corrosion with up to 1/8" deep section loss. These conditions are the same as reported in the last inspection.

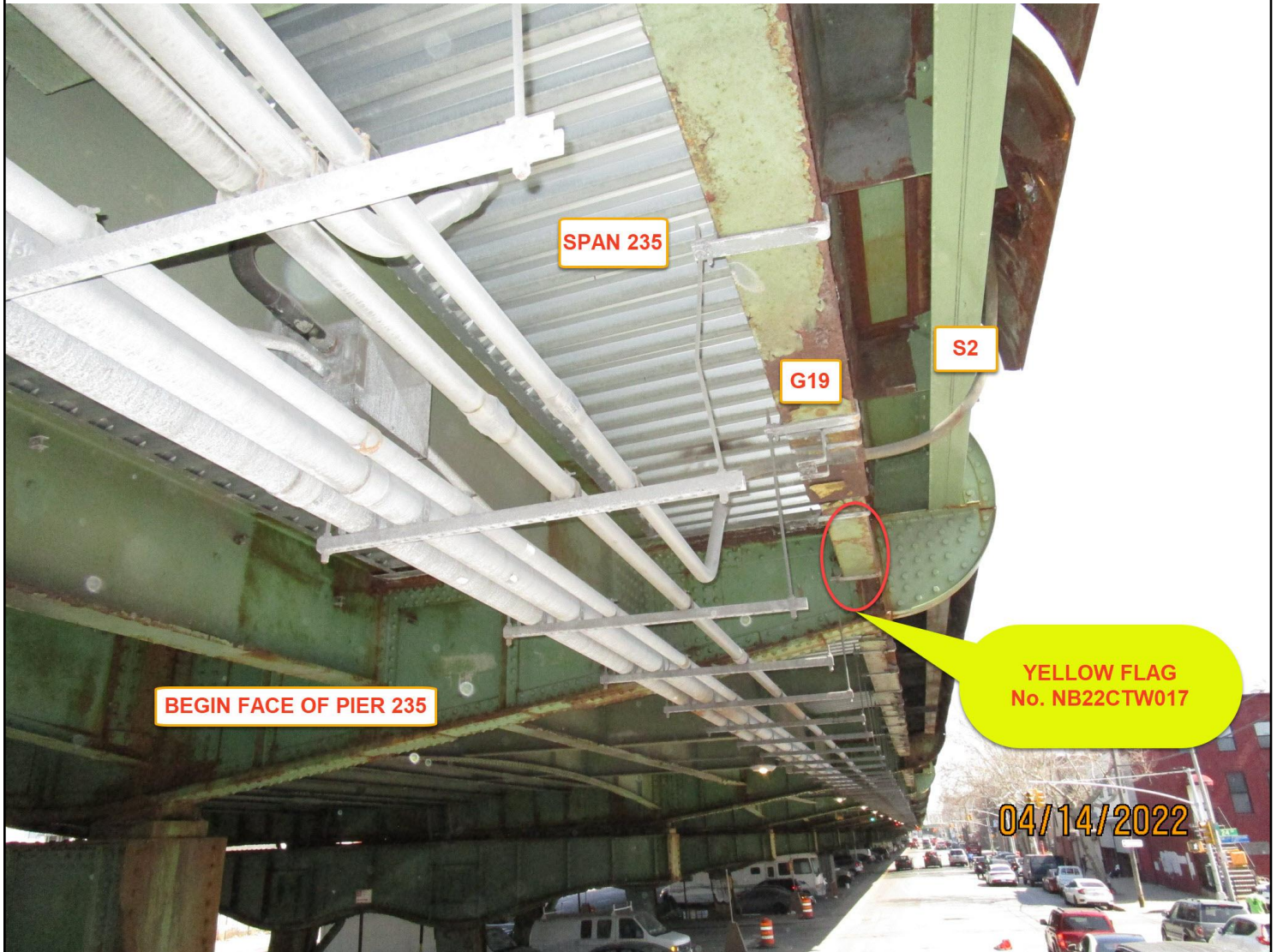
Notes:

1. The affected member, Girder G19 is a load path redundant steel girder consisting of a web depth of 21.30" inches and thickness of 0.608 inches and is located under the deck in the roadway, approximately 12" off the edge of curb line/safety walk.
2. The adjacent Girder (left) G18, is 5'-3" on center has repair plates and is in good condition.
3. The adjacent Stringer (right) S2, approximately 24" on center, acts as a support for the railing and curb area above has repair plates and is in good condition.
4. A double lane closure on 3rd Avenue Eastbound with shadow vehicle and a 35' bucket truck is required to access the flagged location.

**Flag Photographs**

Photo Number: 1

Photo Filename: Photo 1-RA 615\_0609.jpg

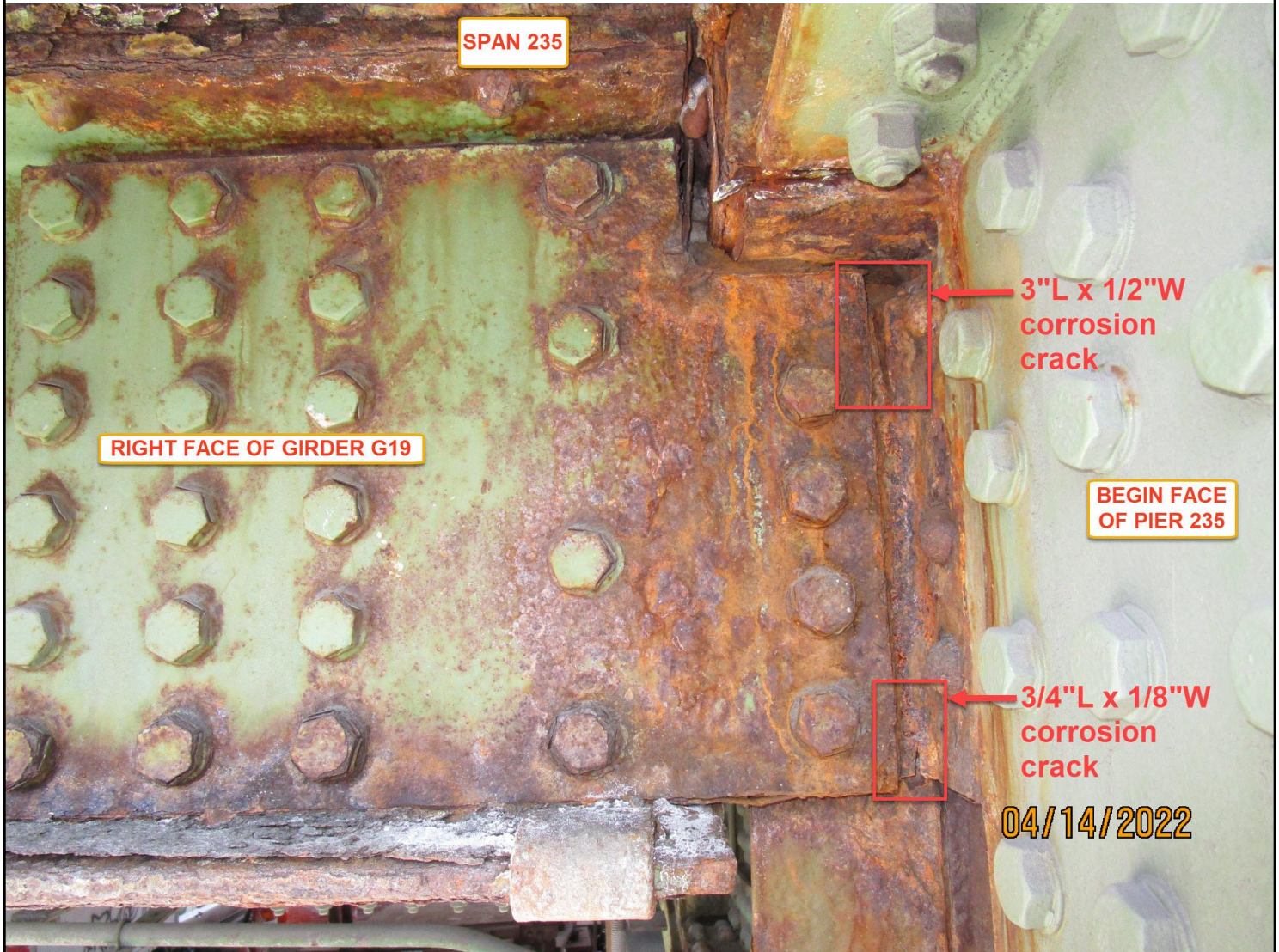


**Attachment Description:** Span 235 Girder G19 at Pier 235 - General view of framing and Girder layout. Looking End.



Photo Number: 2

Photo Filename: Photo 2-RA 615\_0613.jpg

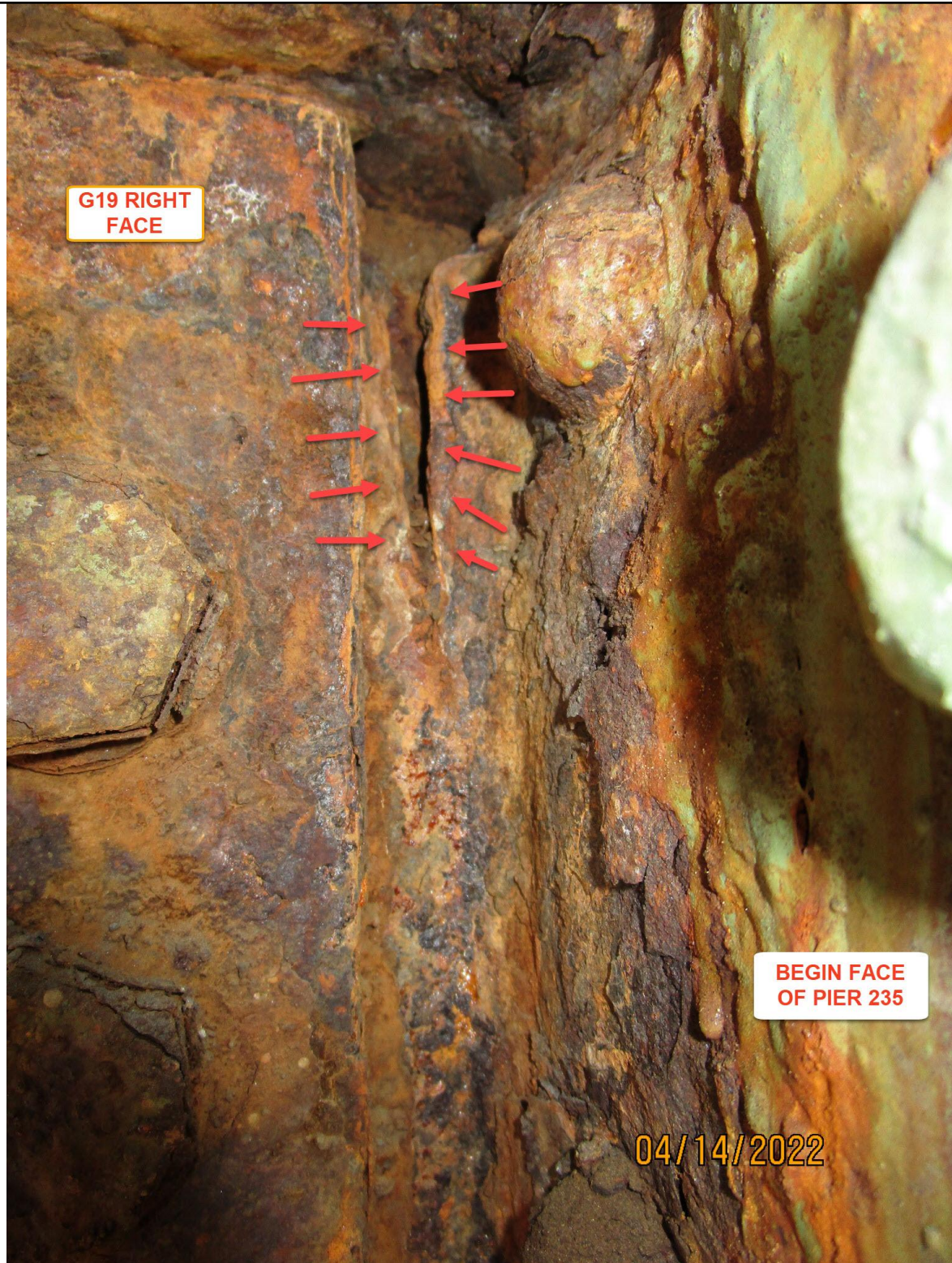


**Attachment Description:** Span 235 Girder G19 at Pier 235 – General view of flag location. Looking Left.



Photo Number: 3

Photo Filename: Photo 3-RA 615\_0618.jpg



**Attachment Description:** Span 235 Girder G19 at Pier 235 – Close-up view of 3”L x 1/2”W corrosion crack at upper fillet section of clip connection angle at right face. Looking left.



Photo Number: 4

Photo Filename: Photo 4-RA 615\_0622.jpg



**Attachment Description:** Span 235 Girder G19 at Pier 235 – Close-up view 3/4" L x 1/8" W corrosion crack at lower fillet section of clip connection angle at right face. Looking left.

Photo Number: 5

Photo Filename: Girder Detail Sketch.jpg

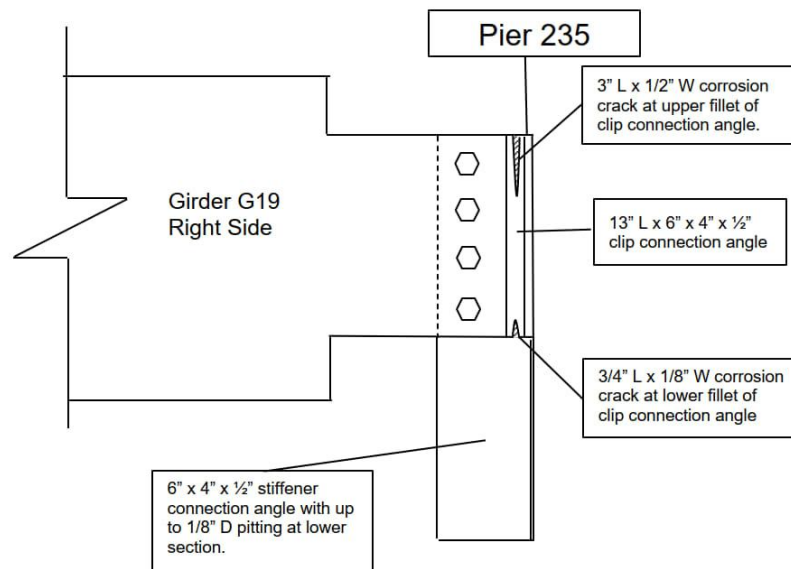
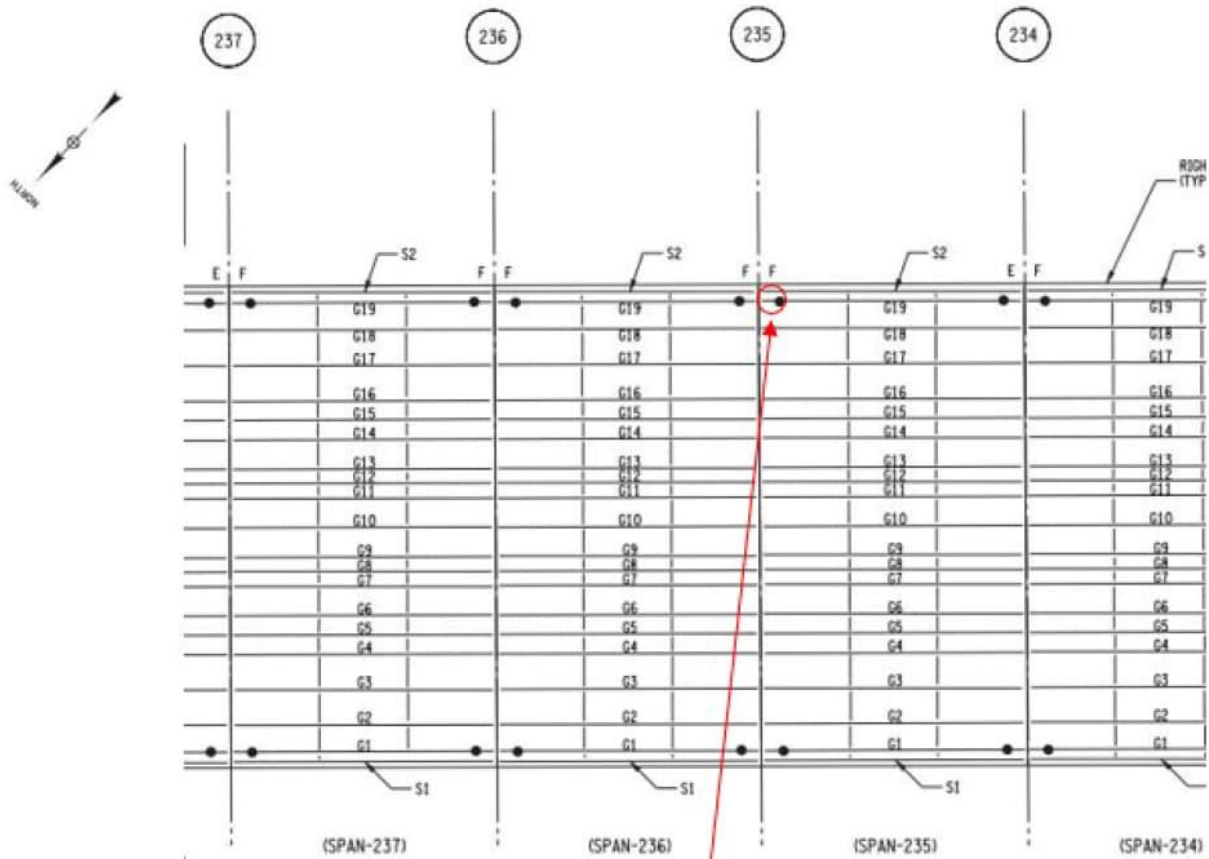
Span 235, Girder G19 at Pier 235Right side of Girder G19 at PIER 235 – Looking Left**Attachment Description: SN 235 G19 at Pier 235 Sketch**



Photo Number: 6

Photo Filename: Framing Plan.jpg



Yellow Flag  
Location  
No. NB22CTW017

**Attachment Description: SN 235 G19 at Pier 235 Framing Plan**